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| INFORMATION DISCLOSURE CITATION (Use serial sheets if necessary) Page 1 of 4 | ATTY. DOCKET NO. 16410-108 | SERIAL NO. 09/884,528 |
| | APPLICANT WASYNCZUK, Oleg, et al. | |
| | FILING DATE June 19, 2001 | GROUP |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE |
|---------------------|--------------------|------------|------------------|-----------------------|--------------------------|-------------|
| <i>ayul</i> | 4,456,994 | 06/26/1984 | Segarra | 371 714 | 16 33 | |
| <i>ayul</i> | 4,506,324 | 03/19/1985 | Healy | 364 703 | 200 21 | |
| <i>ayul</i> | 5,251,159 | 10/05/1993 | Rowson | 364 703 | 578 14 | |
| <i>ayul</i> | 5,519,848 | 05/21/1996 | Wloka et al. | 395 703 | 500 13 | |
| <i>ayul</i> | 5,640,504 | 06/17/1997 | Johnson, Jr. | 395 714 | 182.02 4 | |
| <i>ayul</i> | 5,680,551 | 10/21/1997 | Martino, II | 395 709 | 200.15 226 | |
| <i>ayul</i> | 5,715,184 | 02/03/1998 | Tyler et al. | 364 703 | 578 15 | |
| <i>ayul</i> | 5,768,160 | 06/16/1998 | Kakegawa | 364 703 | 578 16 | |
| <i>ayul</i> | 5,774,693 | 06/30/1998 | Hsu et al. | 395 703 | 500 22 | |
| <i>ayul</i> | 5,784,612 | 07/21/1998 | Crane et al. | 395 713 | 653 100 | |
| <i>ayul</i> | 5,793,968 | 08/11/1998 | Gregerson et al. | 395 709 | 200.39 209 | |
| <i>ayul</i> | 5,794,005 | 08/11/1998 | Steinman | 395 703 | 500 17 | |
| <i>ayul</i> | 5,801,938 | 09/01/1998 | Kalantery | 364 700 | 131 2 | |
| <i>ayul</i> | 5,826,060 | 10/20/1998 | Santoline et al. | 395 703 | 500 6 | |
| <i>ayul</i> | 5,845,116 | 12/01/1998 | Saito et al. | 395 718 | 673 103 | |
| <i>ayul</i> | 5,850,345 | 12/15/1998 | Son | 364 703 | 578 17 | |
| <i>ayul</i> | 5,862,366 | 01/19/1999 | Schmidt et al. | 395 703 | 500 21 | |
| <i>ayul</i> | 5,881,267 | 03/09/1999 | Dearth et al. | 395 703 | 500 27 | |
| <i>ayul</i> | 5,909,542 | 06/01/1999 | Paquette et al. | 395 709 | 200.33 203 | |
| <i>ayul</i> | 5,910,903 | 06/08/1999 | Feinberg et al. | 364 703 | 578 6 | |

Class/sub updated by PPD

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|--------------------------------|----------------------------|
| EXAMINER <i>ayul Sharon</i> | DATE CONSIDERED 3/23/06 |
|--------------------------------|----------------------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Page 2 of 4 | ATTY. DOCKET NO. 16410-108 | SERIAL NO. 09/884,528 |
| | APPLICANT WASYNCZUK, Oleg, et al. | |
| | FILING DATE June 19, 2001 | GROUP |

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE |
|----------------------|--------------------|------------|------------------|-----------------------|-----------------------|----------------|
| <i>Cypel</i> | 5,983,265 | 11/09/1999 | Martino, II | 709 | 206 | |
| <i>Cypel</i> | 5,999,734 | 12/07/1999 | Willis et al. | 395 717 | 706 149 | |
| <i>Cypel</i> | 6,053,947 | 04/25/2000 | Parson | 703 | 14 | |
| <i>Cypel</i> | 6,106,297 | 08/22/2000 | Pollak et al. | 434 | 16 | |
| <i>Cypel</i> | 6,134,514 | 10/17/2000 | Liu et al. | 703 | 17 | |
| <i>Cypel</i> | 6,163,801 | 12/19/2000 | O'Donnell et al. | 709 | 213 | |
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|--|--|---|---------------------------------|
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Page 3 of 4 | | Atty. Docket No. 16410-108 | Serial No. 09/884,528 |
| | | Applicant WASYNCZUK, Oleg, et al. | |
| | | Filing Date June 19, 2001 | Group |
| Examiner Initial | PUBLICATION | | |
| Cyrol | L. Birta, O. Abou-Rabia; <i>Parallel Block Predictor-Corrector Methods for Ode's</i> ; IEEE Trans. Computers, C-36:3 (March, 1987) | | |
| Cyrol | O. Abou-Rabia, L.G. Birta, M. Chen; <i>A Comparative Evaluation of the BPC and PPC Methods for the Parallel Solution of Ode's</i> ; Trans. Soc. for Computer Sim.; 6:4:pp 265-290 | | |
| Cyrol | M.L. Crow, M. Illie; <i>The Parallel Implementation of the Waveform Relaxation Method for Transient Stability Simulations</i> ; IEEE Trans. Power Systems; 5:3:pp 922-932 (August, 1990) | | |
| Cyrol | H. Mori, K. Takeda; <i>Parallel Simulated Annealing for Power System Decomposition</i> ; IEEE Trans. Power Systems; 9:2:pp 785-795 (May, 1994) | | |
| Cyrol | K. K. Fung, et al.; <i>Concurrent Simulation of Decouple Power Electronics Circuits</i> Euro. Power Elec.; 18-23 (Sept. 1993) | | |
| Cyrol | L.G. Birta, M. Yang; <i>Some Stepsize Adjustment Procedures for Parallel ODE Solvers</i> ; Trans. Soc. for Computer Sim., 12:4:pp 303-324 | | |
| Cyrol | N. Huu Cong; <i>A Parallel DIRK Method for Stiff Initial-Value Problems</i> ; J. Comp. and Appl. Math., 54:pp 121-127 (1994) | | |
| Cyrol | P.J. van der Houwen et al.; <i>Parallel Iteration Across the Steps of High-Order Runge-Kutta Methods for Nonstiff Initial Value Problems</i> ; J. of Comp. and Appl. Math., 60:pp 309-329 (1995) | | |
| Cyrol | W.A. van der Veen; <i>Step-Parallel Algorithms for Stiff Initial Value Problems</i> ; Comp. in Math. Appl.; 30:11:pp 9-23 (1995) | | |
| Cyrol | J.J.B. de Swart, J.G. Blom; <i>Experiences with Sparse Matrix Solvers in Parallel ODE Software</i> ; Comp. In Math. Appl.; 31:9:pp43-55 (1996) | | |
| Cyrol | I.M. Llorente, et al.; <i>Some Aspects About the Stability of Scientific Applications on Parallel Architectures</i> ; Parallel Comp. 22:pp 1169-1195 (1996) | | |
| Cyrol | P. Amodio, L. Brugnano; <i>A Note on the Efficient Implementation of Implicit Methods for ODEs</i> ; J. of Comp. and Appl. Math.; 87:pp 1-9 (1997) | | |
| Cyrol | L.G. Birta and L. Yang; <i>Some P(EC)^mE Methods for Parallel Solution of ODEs</i> ; Math and Comp. in Sim.; 43:pp 171-182 (1997) | | |
| Cyrol | I. Martin, F. Tirado; <i>Relationships Between Efficiency and Execution Time of Full Multigrid Methods on Parallel Computers</i> ; IEEE Trans. Parallel and Dis. Sys.; 8:6:pp 562-573 (June, 1997) | | |
| Cyrol | E. Messina, et al.; <i>Parallel Interactive Linear Solvers for Multistep Runge-Kutta Methods</i> ; J. of Comp. and Appl. Math.; 85:pp 145-167 (1997) | | |
| Cyrol | J. Huang, et al.; <i>A Model and Design of a Fully Distributed Computing Environment for Virtual Reality</i> ; IEEE, pp 160-168 (March, 1997) | | |
| Cyrol | Z. Yao, et al.; <i>Power System Simulation by an Improved WRM</i> ; IEEE Int'l. Conf. on Control Appl.; pp 80-585 (October 5-7, 1997) | | |
| Cyrol | Sharon | | 3/23/06 |

| | | | |
|---|---|---|---------------------------------|
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Page 4 of 4 | | Atty. Docket No. 16410-108 | Serial No. 09/884,528 |
| | | Applicant WASYNCZUK, Oleg, et al. | |
| | | Filing Date June 19, 2001 | Group |
| Examiner Initial | PUBLICATION | | |
| Agul | S. Veseli; <i>Multidimensional Integration in a Heterogeneous Network Environment</i> ; Comp. Physics Comm.; 108:pp 9-19 (1998) | | |
| Agul | N. Abdel-Jabbar, et al.; <i>A Partially Decentralized State Observer and Its Parallel Computer Implementation</i> ; Ind. Eng. And Chem. Res.; 37:pp 2741-2760 (1998) | | |
| Agul | H. Vin; <i>Supporting Next-Generation Distributed Applications</i> ; IEEE Project Reports, pp 78-83 (July-Sept., 1998) | | |
| Agul | E. deDoncker, et al.; <i>Large-Scale Parallel Numerical Integration</i> ; J. of Comp. and Appl. Math. 112:pp 29-44 (1999) | | |
| Agul | P.J. van der Houwen and E. Messina; <i>Parallel Adams Methods</i> ; J. of Comp. and Appl. Math.; 101:pp 153-165 (1999) | | |
| Agul | N. Abdel-Jabbar, et al.; <i>A Multi-rate Parallel-Modular Algorithm for Dynamic Process Simulation Using Distributed Memory Multicomputers</i> ; Comp. and Chem. Eng.; 23:pp 733-761 (1999) | | |
| Agul | M. Pruetim, et al.; <i>An Environment to Develop Parallel Code for Solving Partial Differential Equation-Based Problems</i> ; J. of Sys. Arch.; 45:pp 543-554 (1999) | | |
| Agul | T. Kato and T. Kataoka; <i>Circuit Analysis by a New Multirate Method</i> ; Elec. Eng. In Japan; 126:4:pp 55-62 (1999) | | |
| Agul | L. Pollini and M. Innocenti; <i>A Synthetic Environment for Dynamic Systems Control and Distributed Simulation</i> ; IEEE Con. Sys. Mag.; pp 49-61 (April, 2000) | | |
| Agul | H. Zhang; <i>A Note on Windowing for the Waveform Relaxation</i> | | |
| Agul | T. Sterling, et al.; <i>Achieving a Balanced Low-Cost Architecture for Mass Storage Management Through Multiple Fast Ethernet Channels on the Beowulf Parallel Workstation</i> | | |
| Agul | T. Sterling, et al.; <i>Beowulf: A Parallel Workstation for Scientific Computation</i> | | |
| Agul | C. Reschke, et al.; <i>A Design Study of Alternative Network Topologies for the Beowulf Parallel Workstation</i> | | |
| Agul | T. Sterling, et al.; <i>Communication Overhead for Space Science Applications on the Beowulf Parallel Workstation</i> | | |
| EXAMINER Agul Sherson | | DATE CONSIDERED 3/23/06 | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 09/884,528 |
| | | | | Filing Date | June 19, 2001 |
| | | | | First Named Inventor | Oleg Wasynczuk et al. |
| | | | | Group Art Unit | 2123 |
| Examiner Name | Ayal I. Sharon | | | | |
| Sheet | 1 | of | 1 | Attorney Docket No. | 31122-8 |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|--|--------------------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published | T ² |
| <i>Ayal</i> | | Dommel, <i>Digital Computer Solution of Electromagnetic Transients in Single- and Multiphase Networks</i> , IEEE Transactions on Power Apparatus and Systems, Vol. PAS-88, No. 4, April 1969 | <input type="checkbox"/> |
| <i>Ayal</i> | | Masuzawa, Fukui, and Smith, <i>Cardiovascular simulation Using a Multiple Modeling Method on a Digital Computer-Simulation of Interaction Between the Cardiovascular System and Angiotensin II</i> , Little, Brown and Company, 1992 | <input type="checkbox"/> |
| <i>Ayal</i> | | Quinn, <i>Parallel Computing: Theory and Practice</i> , McGraw-Hill Series in Computer Science, 1994 | <input type="checkbox"/> |
| <i>Ayal</i> | | Burrage, <i>Parallel and Sequential Methods for Ordinary Differential Equations</i> , Oxford Press, 1995 | <input type="checkbox"/> |
| <i>Ayal</i> | | Ferscha, <i>Parallel and Distributed Simulation of Discrete Event Systems</i> , Handbook of Parallel and Distributed Computer, McGraw-Hill, 1995 | <input type="checkbox"/> |
| <i>Ayal</i> | | MPI-2: <i>Extensions to the Message-Passing Interface</i> , Message Passing Interface Forum, University of Tennessee, Knoxville, Tennessee, 1995, 1996, 1997 | <input type="checkbox"/> |
| <i>Ayal</i> | | Xavier and Iyengar, <i>Introduction to Parallel Algorithms</i> , Wiley Series on parallel and Distributed Computing, 1998 | <input type="checkbox"/> |

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| Examiner Signature | <i>Ayal Sharon</i> | Date Considered | 3/23/06 |
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